

ABSTRACTNEO-CARTILAGE CONSTRUCTS AND A METHOD
FOR PREPARATION THEREOF

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Neo-cartilage constructs suitable for implantation into a joint cartilage lesion *in situ* and a method for repair and restoration of function of injured, traumatized, aged or
10 diseased cartilage. The construct comprises at least chondrocytes incorporated into a support matrix processed according to the algorithm comprising variable hydrostatic or atmospheric pressure or non-pressure conditions, variable rate of perfusion, variable medium composition, variable temperature,
15 variable cell density and variable time to which the chondrocytes are subjected.